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TN	2	4,149,270	4/10/79	Cricchi et al.	-			
TN	3	4,149,270	1/1/80	McCoy				
TN			2/24/81	Bell et al.	+	<u> </u>		
TN	4	4,253,059		Moench	 	<u> </u>		
TN	5	4,272,830	6/9/81		ļ	<u> </u>	<u> </u>	
TN	6	4,279,024	7/14/81	Schenk				
TN	7	4,393,475	· 9/1/81	Stark	 		ļ	
TN	8	4,393,475	7/12/83	Kitagawa et al.	-			
TN	9	4,415,992	11/15/83	Adlhoch	<u> </u>	-		
TN	10	4,460,982	. 7/17/84	Gee et al.	<u> </u>		<u> </u>	
TN	11	4,475,194	10/2/84	La Valee et al.			ļ ·	
TN	12	4,495,602	1/22/85	Sheppard	<u> </u>		<u> </u>	<u>. </u>
			Foreign	Patent Documents				
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		Document	Date	Country	Class	Subclass	Yes	No
TN	13	GB2061651	1981	United Kingdom				
TN	14	GB2029145	1980	United Kingdom				
TN	15	JP6225769	1988	Japan			X	
TN	16	JP5931158	1984	Japan	·			X
TN	17	DE363782	1987	Germany			Abstract	
	<u> </u>	OTHER AR	T (Including Au	thor, Title, Date, Pertin	ent Pages,	Etc.)		
, TN	18	Bleiker et al., "A Circuits, Vol. Sc-	Four State EEPR 22. No. 3, June 19	OM Using Floating-Gate 987, pp.460-463.	Memory Co	ells", IEEE Jou	rnal of Solid-	State
TN	19		Improved Metho 983, No. 6, pp. 48	d for Programming A Wo 7-494.	ord Erasable	EEPROM", A	lta Frequenza	ı, Vo
TN	20	Stark, "Two Bits LABORATORY		Digest of Papers Spring C	OMCONS	81, Feb. 23-26,	VLSI	
Examiner		Nguyen/	Date Considere					
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U.S. Depar	tment of	Commerce, Patent	and Trademark	Atty. Docket No.		Application No.		
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TN	21	4,586,163	4/29/86	Koike				
	22	4,612,629	9/16/86	Harari				
TN TN	23	4,677,590	6/30/87	Arakawa				
TN	24	4,718,041	1/5/88	Baglee et al.				
TN	25	4,733,394	3/22/88	Giebel				
	26	4,752,929	6/21/88	Kantz				
TN TN	27	4,779,272	10/18/88	Kohda et al.				
TN	28	4,799,195	1/17/89	Iwahashi et al.				
	29	4,807,188	2/21/89	Casagrande			 	
TN TN	30	4,890,231	2/28/89	Shannon et al.				
	31	4,811,294	3/7/89	Kobayashi et al.	 		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
TN	1	1 1,012,000		Patent Documents			<u> </u>	
					<u>.</u>		Trans	slation
	T	Document	Date	Country	Class	Subclass	Yes	No
myr	32	DE3831538	1989	Germany			Abstract	
TN	33	JP62-188100	1987	Japan .			x	
TN	34	JP0123878	1989	Japan			 	
TN	35	JP0146949	1989	Japan				
TN	33		<u> </u>	ithor, Title, Date, Perti	nent Pages T	ite)	<u> </u>	1
	T = 2						on Logic	
TN	36	Application", IE	"An Experimenta EE Custom Integ	I 2-BIT/CELL Storage D rated Circuits Conferenc	e, May 1988,	pp. 4.4.1-4.4.4		•
TN	37	Krick, "Three-Sta May 1976, pp. 41		1emory Array", IBM Te	chnical Disclo	osure Bulletin,	Vol. 18, No.	12,
TN	. 38	Alberts et al., "M Dec. 1981, pp. 33		et Earom Cell", IBM Te	chnical Discl	osure Bulletin,	Vol. 24, No.	7A,
Examiner		Nguyen/	Date Considere					
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TN TN	41 42	<u> </u>	7/24/90				<u> </u>
TN	42	4,956,816		Imamiya et al.			
			7/24/90	Atsumi et al.			
TN	43	4,980,861	12/25/90	Herdt et al.			
	72	4,999,813	3/12/91	Ohtsuka et al.			
TN	44	5,003,510	3/26/91	Kamisaki			
TN.	45	5,053,990	10/1/91	Kriefels et al.			
TN	46	5,095,344	3/10/92	Harari			
TN	47	5,136,021	11/10/92	Mehrota et al.			
TN	48	5,297,148	3/22/94	Harari et al.			
TN	49	5,357,462	10/18/94	Tanaka et al.			
IN	L		T (Including Au	thor, Title, Date, Perti	ent Pages, l	Etc.)	-L
TN	50	Horiguchi et al. "A storage", IEEE Jo	An Experimental urnal of Solid-Sta	Large-Capacity Semiconte Circuits, Vol. 23, Feb	ductor File 1 .1998, No.1,	Memory Using pp. 27-33.	16-LEVEL/CEL
TN	51	Masuoka et al. "A Solid-State Circui	256-KBIT Falsh its, Vol. SC-22, N	EEPROM Using Triple o.4, pp.548-552, New Y	-Polysilicon ork, USA, A	Technology", l ugust 1987.	EEE Journal of
TN	52	Berenga et al. "E2 ISCCC 78", Febru		hesizer", 1978 IEEE Int 196-197.	ernational Sc	olid-State Circu	its Conference:
TN	53			grammable 32K X 8 CM Number 8822443, Octob			ournal of Solid-
TN	54	Klingman, "Micro	oprocessor System	ns Design", Prentice-Hal	l, Inc. pp.30-	31, 1977.	
TN	55	SGS-ATES "Exce	erpts From a 1983	Data Book", SGS-Ates	Group, 45 p	p., Nov. 1983.	
TN	56			Memory and Remote-Clectronics, Vol. CE-29, 1			
TN	57			atile Station Memory an CAT. No.: 83CH1872-1,			in a Single Chip
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U.S. Department of Commerce, Patent and Trademark				Atty. Docket No.			Application No	
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Initial		Number	Date	Name	Class	Subclass	If Appropriate	
TN	58	5,361,227	1/1/94	Tanaka et al.		ļ		
TN	59	5,602,987	2/11/97	Harari et al.				
TN	60	4,959,812	9/25/90	Momodomi et al.				
TN	61	4,939,690	7/3/90	Momodomi et al.		·		
TN	62	4,996,669	2/26/91	Endoh et al.	·			
TN	63	5,163,021	1992	Mehrotra et al.				
TN	64	5,172,338	1992	Mehrotra et al (Reexamination)				
TN	65	5,657,270	1997	Ohuchi et al.				
TN	66	5,793,696	8/11/98	Tanaka et al.				
TN	67	5,831,903	11/03/98	Ohuchi et al.				
		OTHER AR	T (Including Au	ithor, Title, Date, Perti	nent Pages,	Etc.)		
TN	68	Non-Volatile Me August 1982.	mory", IEEE Tra	ynthesis System With a S nsactions on Consumer E	Electronics",	Vol. CE-28, No	o.3, pp.363-71,	
TN	69	Torelli, "An LSI Ll, 7 pp. 1982.	Technology Fully	Compatible EAROM C	ell", Compo	nent Elettronic	SpA, No. 6, Vol.	
TN	70 .	Torelli et al., PLI pp.1-16, 1982.	2K-PLL Frequer	ncy Synthesizer for 30 Pr	ograms", SC	SS-ATES, Tech	nical Note #152,	
TN	71	Torelli et al. "Sin 1984.	gle Chip, 16 Stat	ion TV Digital Tuning S	ystem", SGS	Technical Not	e #170, pp.1-19,	
TN	72	Scrocchi et al. "E Note#153, pp. 1-		Program Memory Syste	m for TV (3	2 stations)" SG	S-ATES, Techni	
TN	73	SGS-ATES. "PL June 1982.	L TV Microcomp	outer interface", SGA-AT	ES, MOS lr	tegrated Circui	ts/M206, 15 pp.	
Examiner	/////	Nguyen/	Date Considere	ed 05/18/20	006			

Sheet 5 of 5

U.S. De	partment of	Commerce, Pater	t and Trademark	Atty. Docket No.	Application No				
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		OTHER A	RT (Including Au	thor, Title, Date, Per	tinent Pages, l	Etc.)			
TN	76	Gee et al., "An October 1982, p	Enhanced 16K E2P op. 828-832.	ROM", IEEE Journal o	of Solid-State	Circuits, Vol. S	C-17, No.5,		
TN	77	Kynett et al., "A State Circuits, V	A 90-ns One Million Vol. 24, No. 5, Octo	Erase/Program Cycle ber 1989, pp. 1259-12	1-Mbit Flash 1	Memory", IEE	E Journal of Solid		
TN	78	Tanaka et al., " on VLSI Circui	A 4-Mbit NAND-E ts, Digest of Techni	EPROM with Tight Procal Papers, pp. 105-10	ogrammed Vt 1 6.	Distribution",	1990 Symposium		
TN	79	IBM Technical 4146.	IBM Technical Disclosure Bulletin "EPROMgramming Device", Vol. 29, No.9, February 1987, pp. 4145.						
TN	80	"Bipolar /MOS	Memories Data Bo	ok", Advanced Micro	Devices, ISSN	0888-4714, pj	o.6-1-6-14, 1986		
TN	81	SEEQ Data Bo	ok 1988/89 SEEQ T	echnology, Inc. pp.3-1	1-3-7				
xaminer	/Tan Ng	uyen/	Date Considere	d 05/18/200	6				

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